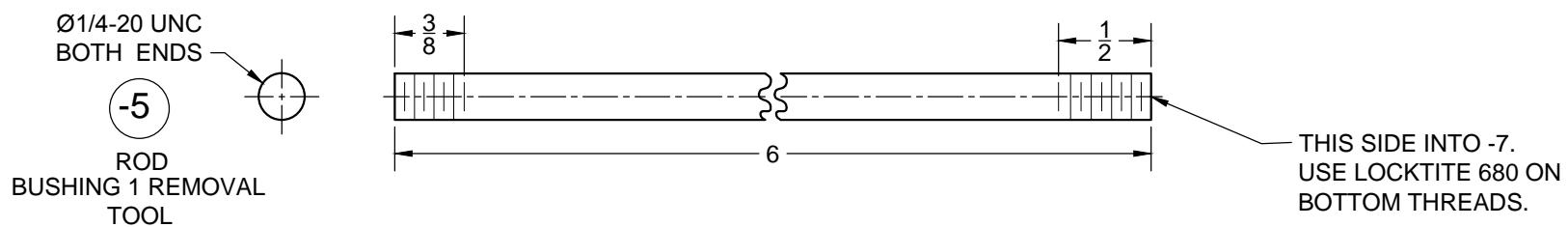
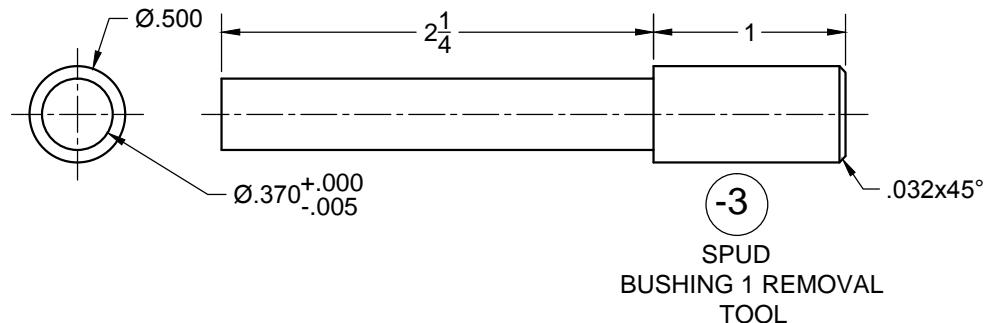
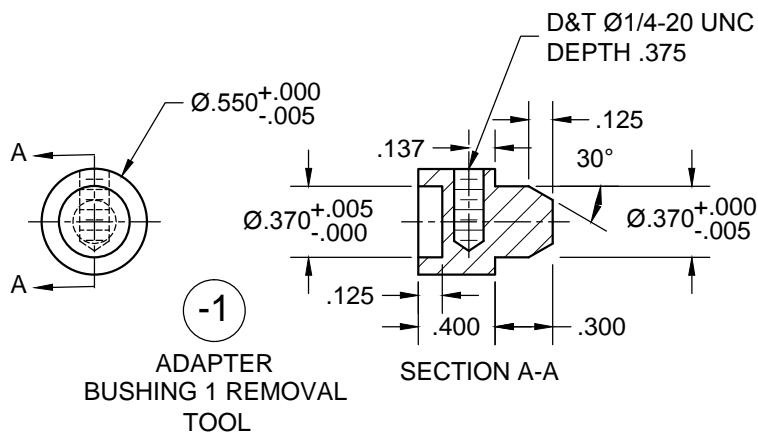


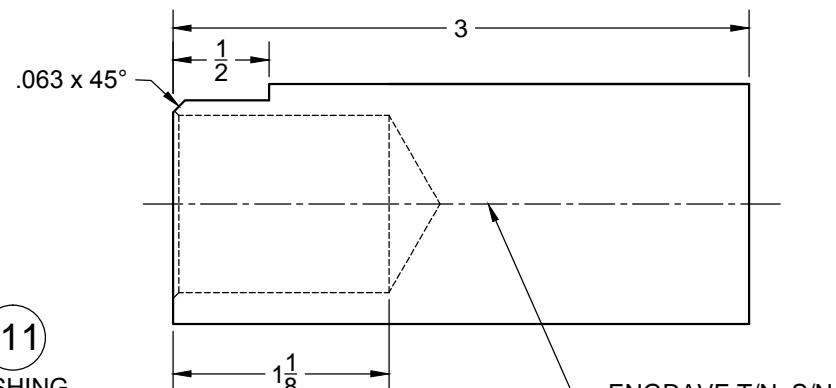
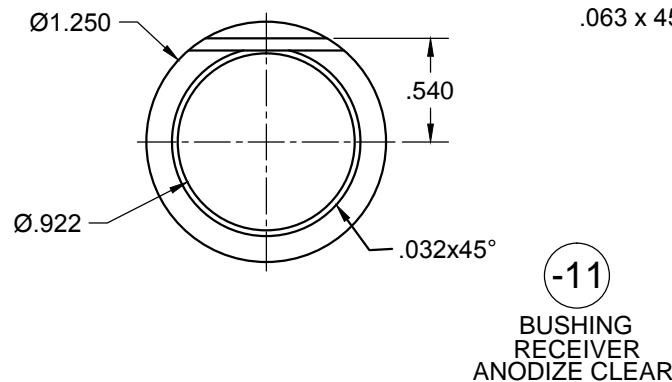
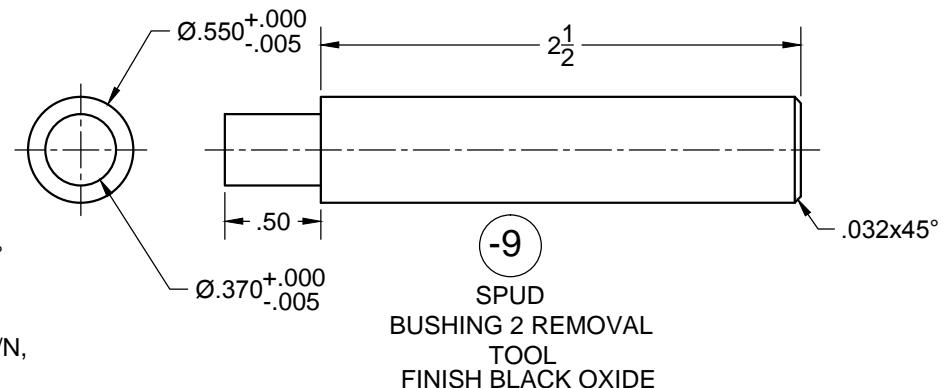
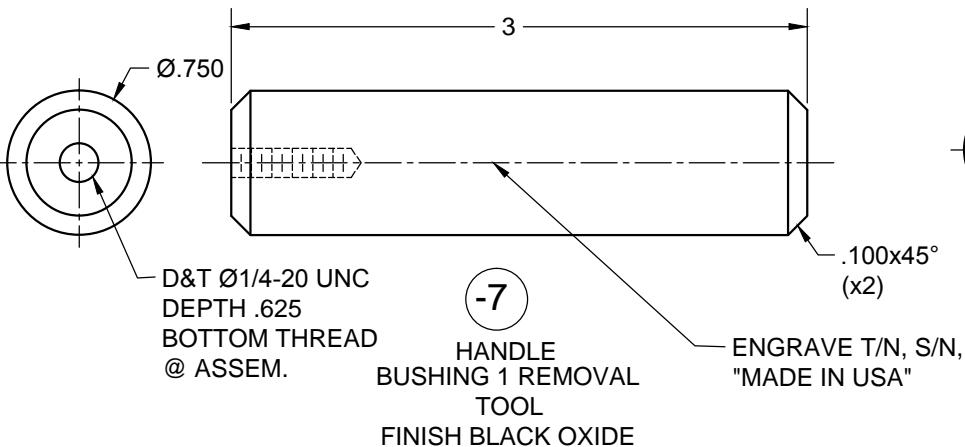
REV		REVISIONS			
		DESCRIPTION		DATE	INITIAL APPROVED
1		ADDED .125 x 30° TO -1 ADAPTER.		1/15/07	
2		CHANGED -11 R.063 TO CHAMFER & -7 MAT. FROM 1018.		1/13/07	
2A		CH'D TITLEBLOCK & REVISION BLOCK, CH'D REVISIONS FROM ALPHABETICAL TO NUMERICAL, CH'D ENGRAVE NOTE -7 & -11.		1/21/10	RJC RW



ASSY QTY	ASSY QTY	B/O	PART #	QTY	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	Pg.
			-1	1	ADAPTER BUSHING 1 REMOVAL TOOL	STRESS PROOF	$\varnothing 9/16 \times 3/4$	1
			-3	1	SPUD BUSHING 1 REMOVAL TOOL	STRESS PROOF	$\varnothing 1/2 \times 3-3/8$	1
			-5	1	ROD BUSHING 1 REMOVAL TOOL	1018	$\varnothing 1/4 \times 6-1/8$	1
			-7	1	HANDLE BUSHING 1 REMOVAL TOOL	STRESS PROOF	$\varnothing 3/4 \times 3-1/8$	2
			-9	1	SPUD BUSHING 2 REMOVAL TOOL	STRESS PROOF	$\varnothing 9/16 \times 3-1/8$	2
			-11	1	BUSHING RECEIVER	6061	$\varnothing 1-1/4 \times 3-1/8$	2
ASSY #								

RB RED BARN MACHINE	
TITLE T/R BLADE BUSHING REMOVAL TOOL	
DWG NO. RBT18635	REV 2A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS XXX $\pm .005$ FRACTIONS $\pm 1/32$	
XX $\pm .01$ ANGLES $\pm 5^\circ$	
X $\pm .1$	
HEAT TREAT	
FINISH SPEC BLACK OXIDE	
USED ON MODEL	
MD 369D	
MD 369E	
SCALE NTS	DATE 11-16-06
SHEET 1 of 2	

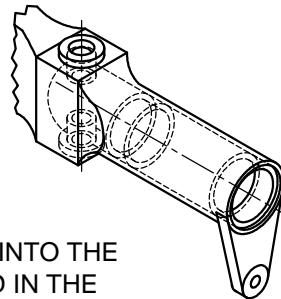
REV		DESCRIPTION		DATE	INITIAL	APPROVED
2		CHANGED -11 R.063 TO CHAMFER & -7 MAT. FROM 1018.		1/13/07		
2A		CH'D TITLEBLOCK & REVISION BLOCK, CH'D REVISIONS FROM ALPHABETICAL TO NUMERICAL, CH'D ENGRAVE NOTE -7 & -11.		1/21/10	RJC	RW



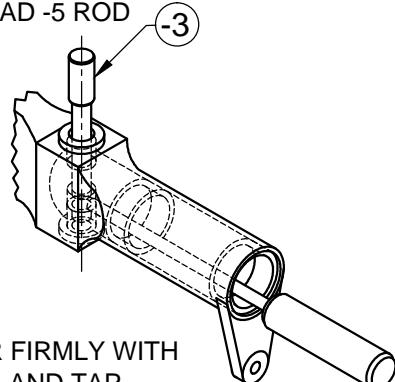
RB RED BARN MACHINE	
TITLE	
T/R BLADE BUSHING REMOVAL TOOL	
DWG NO.	REV 2A
RBT18635	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS XXX $\pm$ .005 XX $\pm$ .01 X $\pm$ .1	
FRACTIONS $\pm$ 1/32 HEAT TREAT FINISH SPEC SEE PART	
ANGLES $\pm$ 5°	
USED ON MODEL	
MD 369D	
MD 369E	
SCALE	NTS
DATE	11-16-06
SHEET 2 of 2	

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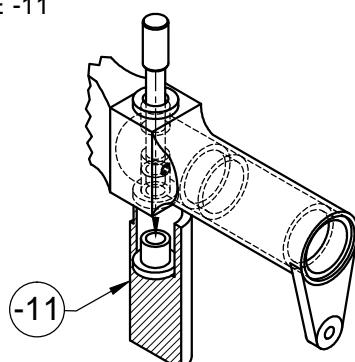
1. THREAD -1 ADAPTER ON TO -5 ROD 1 TO 2 TURNS. HOLD WITH -1 SMALL ROUND PART POINTING DOWN.



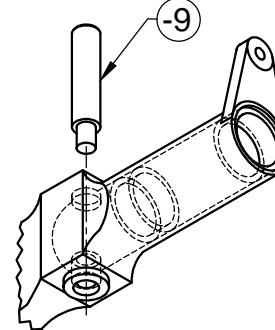
2. PLACE ADAPTER ASSEMBLY INTO THE GRIP WITH THE -1 SOLID ROUND IN THE BOTTOM BUSHING CENTER. PLACE THE -3 SPUD THROUGH THE TOP BUSHING AND INTO THE -1 ADAPTER FIRMLY AS SHOWN. WHILE HOLDING THE ADAPTER FIRMLY, UNTHREAD -5 ROD AND REMOVE.



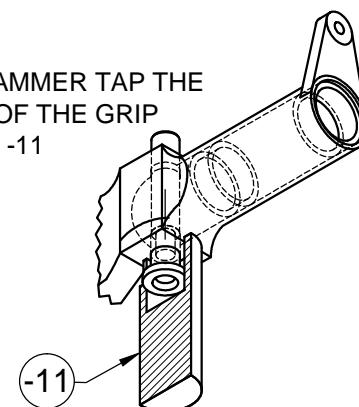
3. WHILE HOLDING -1 ADAPTER FIRMLY WITH -3 SPUD, USE A SMALL HAMMER AND TAP THE BOTTOM BUSHING FREE FROM THE GRIP ASSEMBLY INTO THE -11 BUSHING RECEIVER.



4. ROLL THE BLADE ASSEMBLY 180°. USING THE -9 SPUD, PLACE IT THROUGH THE BOTTOM BUSHING HOLE AS SHOWN AND INTO THE TOP BUSHING.



5. USING A SMALL HAMMER TAP THE TOP BUSHING FREE OF THE GRIP ASSEMBLY INTO THE -11 BUSHING RECEIVER.



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Eugene, Oregon 97402  
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 RED BARN MACHINE

TAIL ROTOR BLADE BUSHING REMOVAL TOOL INSTRUCTIONS

RBT18635

SHEET 1 of 1

**NOT APPROVED FOR PRODUCTION**

**REVISIONS**

REV	DESCRIPTION

**ADAPTER BUSHING 1 REMOVAL TOOL** (-1)

**ROD BUSHING 1 REMOVAL TOOL** (-5)

**SPU BUSHING 1 TC** (-3)

**SECTION A-A**

**D&T Ø1/4-20 UNC DEPTH .375**

**Ø.550<sup>+.000</sup><sub>-.005</sub>**

**Ø.370<sup>+.005</sup><sub>-.000</sub>**

**.137**

**.125**

**30°**

**Ø.370<sup>+.000</sup><sub>-.005</sub>**

**.400**

**.300**

**.125**

**Ø.500**

**Ø.370<sup>+.000</sup><sub>-.005</sub>**

**2<sup>1</sup>/<sub>4</sub>**

**Ø.370<sup>+.000</sup><sub>-.005</sub>**

**1/2**

**6**

**3/8**

**THIS SIDE USE LOC BOTTOM**

**PART #** **QTY** **DESCRIPTION**

1	1	STRESSPROOF Ø5/8 x 7/8
-3	1	STRESSPROOF Ø5/8 x 3-1/4
-5	1	1018 Ø1/4 x 6
-7	1	1018 Ø3/4 x 3
-9	1	1018 Ø5/8 x 3

**USED ON MODEL**

USED ON MODEL	?
---------------	---

**DRAWN BY:** PERRITT

**APPROVED**

**HEAT TREAT**

**FINISH SPEC** --

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ON:  
DECIMALS XXX  $\pm$  .005  
XX  $\pm$  .01  
X  $\pm$  .1  
FRACTIONS  $\pm$  1/32  
ANGLES  $\pm$  5°

**RED BARN**

**TITLE** T/R BLADE BUSHING

**DWG NO.** RRT1E

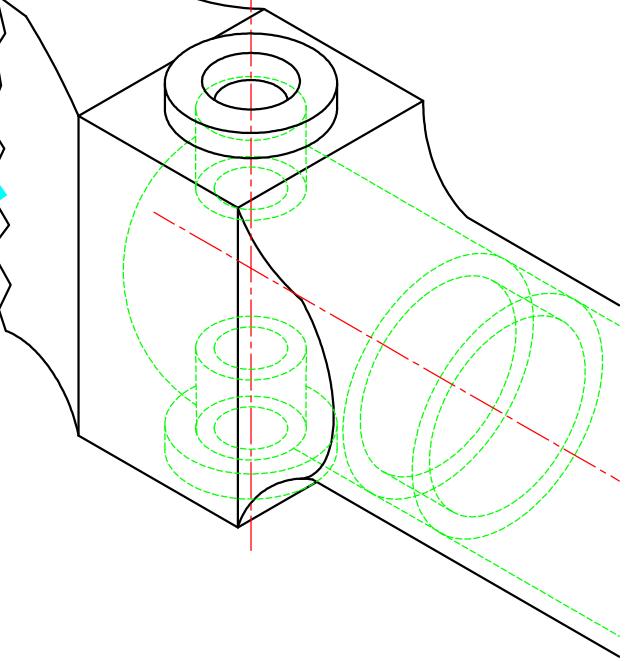
PART #	QTY	DESCRIPTION
1	1	STRESSPROOF Ø5/8 x 7/8
-3	1	STRESSPROOF Ø5/8 x 3-1/4
-5	1	1018 Ø1/4 x 6
-7	1	1018 Ø3/4 x 3
-9	1	1018 Ø5/8 x 3

DRAWN BY: **PERRITT**  
 APPROVED  
 HEAT TREAT  
 FINISH SPEC --  
 UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES  
 TOLERANCES ON:  
 DECIMALS  
 .XXX  $\pm .005$  FRACTIONS  $\pm 1/32$   
 .XX  $\pm .01$  ANGLES  $\pm .5^\circ$   
 X  $\pm .1$

RB RED BARN  
TITLE T/R BLADE BUSHING  
DWG NO. RBT1E

RT15

NOT APPROVED FOR PRODUCTION



REV	DESCRIPTION		DATE	APPROVED

PART #	QTY	DESCRIPTION
-1	1	--

DRAWN BY: PERRITT	TITLE		
CHECKED	RED BARN MACHINE		
HEAT	TITLE		
TREAT	PART #		
FINISH	REV.		
SPEC			

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ON:  
DECIMALS .XXX ± .005 FRACTIONS ± 1/32  
.XX ± .01 ANGLES ± 5°  
.X ± .1

USED ON MODEL  
?

UNLESS OTHERWISE SPECIFIED  
1. BREAK ALL SHARP EDGES  
0.15 x 45° PR. 0.015 R  
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

DWG NO.

SCALE NTS

DATE 1-28-06

SHEET 1 of 1